

CLAIMS

I claim:

- 5           1.    A method of obtaining annotated electronic tracks on road, comprising
- A)   setting up electronic track marks on said road,
- B)   installing electronic transducers on a ground vehicle capable of detecting
- said electronic track marks on said road,
- wherein on driving said ground vehicle on said road said electronic transducers
- 10           continuously detect and monitor said electronic track marks on said road,
- gaining knowledge necessary to maintain the trajectory of said ground vehicle
- to follow a predetermined trace on said road, in addition to other information
- supplied by said electronic track marks, thereby easing the task of driving said
- ground vehicle with added safety and efficiency.
- 15           2.    The method of claim 1 wherein said electronic track marks consist of
- optical marks.
3.    The method of claim 1 wherein said electronic track marks consist of
- 20           low-frequency electrical marks.
4.    The method of claim 1 wherein said electronic track marks consist of
- high-frequency electromagnetic marks.
- 25           5.    The method of claim 1 wherein said electronic track marks consist of
- magnetic marks.
6.    The method of claim 1 wherein said electronic track marks consist of
- acoustic marks.
- 30           7.    The method of claim 1 wherein said electronic track marks consist of
- hybrid marks.

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8. The method of claim 1 wherein said other information supplied by said electronic track marks consist of digital data annotating the conditions and environment of said road in relation to other roads, constructions, buildings, geographical locations, traffic statistics, and so forth.
9. The method of claim 1 wherein said annotated electronic tracks on said road allow other technologies to be applied in combination, including electronic maps, internet connections, collision avoidance radars, so that the driving of said ground vehicle can be fully computerized achieving automation.
10. The method of claim 1 wherein said annotated electronic tracks on said road permit ground-vehicle trains to be formed demanding a minimal number of drivers to navigate or manipulate the sailing of said ground-vehicle trains.

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